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NEWS	11	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
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NEWS	13	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	14	FEB 10	COMPENDEX reloaded and enhanced
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NEWS	17	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
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NEWS	21	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	22	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	23	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	24	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
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NEWS	26	MAR 20	CAS databases on STN enhanced with new super role

for nanomaterial substances
NEWS 27 MAR 23 CA/CAPLUS enhanced with more than 250,000 patent
equivalents from China
NEWS 28 MAR 30 IMSPATENTS reloaded and enhanced

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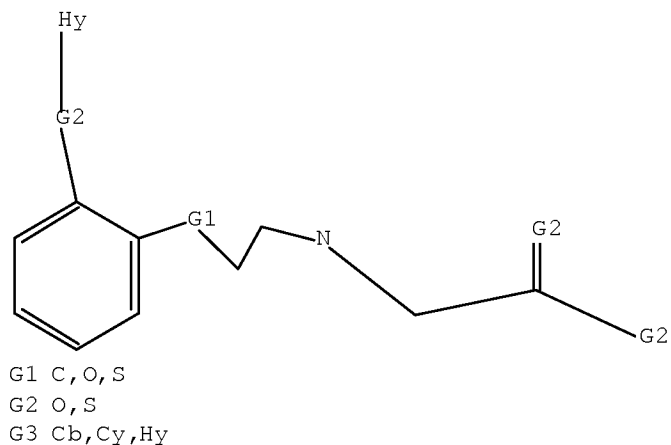
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 FILE LAST UPDATED: 29 Mar 2009 (20090329/ED)

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2 ANSWERS

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L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2002:171867 CAPLUS Full-text

DOCUMENT NUMBER: 136:232314

TITLE: Preparation of aminoquinazolines as epidermal growth factor receptor signal transduction inhibitors

INVENTOR(S): Himmelsbach, Frank; Langkopf, Elke; Jung, Birgit; Blech, Stefan; Solca, Flavio

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharma Kg, Germany

SOURCE: PCT Int. Appl., 103 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018351	A1	20020307	WO 2001-EP9532	20010818
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10042058	A1	20020307	DE 2000-10042058	20000826
AU 2001087694	A	20020313	AU 2001-87694	20010818
CA 2417897	A1	20030130	CA 2001-2417897	20010818
EP 1315705	A1	20030604	EP 2001-967285	20010818
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			

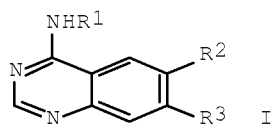
BR 2001013519	A	20030701	BR 2001-13519	20010818
HU 2003000819	A2	20030929	HU 2003-819	20010818
HU 2003000819	A3	20080328		
JP 2004507529	T	20040311	JP 2002-523469	20010818
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AU 2001287694	B2	20070906	AU 2001-287694	20010818
IL 154602	A	20080708	IL 2001-154602	20010818
CN 100404517	C	20080723	CN 2001-814635	20010818
US 20020082271	A1	20020627	US 2001-934772	20010822
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ZA 2003000991	A	20040416	ZA 2003-991	20030205
BG 107559	A	20031031	BG 2003-107559	20030214
IN 2003MN00222	A	20050211	IN 2003-MN222	20030214
MX 2003001483	A	20030606	MX 2003-1483	20030218
NO 2003000870	A	20030225	NO 2003-870	20030225
NO 324866	B1	20071217		
KR 862873	B1	20081015	KR 2003-702744	20030225
HK 1057557	A1	20081031	HK 2004-100462	20040121

PRIORITY APPLN. INFO.:

DE 2000-10042058	A	20000826
US 2000-230035P	P	20000905
WO 2001-EP9532	W	20010818

OTHER SOURCE(S): MARPAT 136:232314

GI



AB Title compds. [I; R1 = PhCH₂, 1-phenylethyl, (substituted) Ph; R2, R3 = O(CH₂)_mR₄, methoxy, cyclobutylloxy, cyclopentylloxy, cyclopropylmethoxy, cyclobutylmethoxy, cyclopentylmethoxy, tetrahydrofuran-3-ylloxy, tetrahydropyran-3-ylloxy, tetrahydropyran-4-ylloxy, tetrahydrofuranylmethoxy, tetrahydropyranylmethoxy; R4 = N-(2-oxotetrahydrofuran-4-yl)methylamino, N-(2-oxotetrahydrofuran-4-yl)ethylamino, (substituted) 2-oxo-morpholin-4-yl, R₅OCOCH₂NCH₂CH₂OH; R₅ = H, alkyl; m = 2-4], were prepared Thus, 4-[(3-bromophenyl)amino]-6-[2-(N-[(tert-butylloxycarbonyl)methyl]-N-((S)-2-hydroxypropyl)amino)ethoxy]-7-methoxyquinazoline (preparation given) in MeCN was stirred under reflux with MeSO₂OH for 3 h followed by addition of MeSO₂OH up to completely conversion to give 85% 4-[(3-bromophenyl)amino]-6-[2-((S)-6-methyl-2-oxomorpholin-4-yl)ethoxy]-7-methoxyquinoline. Tested I inhibited epidermal growth factor (EGF)-dependent proliferation of F/L-HERc cells with IC₅₀ = 29-59 nM. The invention relates to the use of the title compds. for treating tumor diseases, and lung and respiratory tract disorders.

IT 402735-43-7P 402735-45-9P

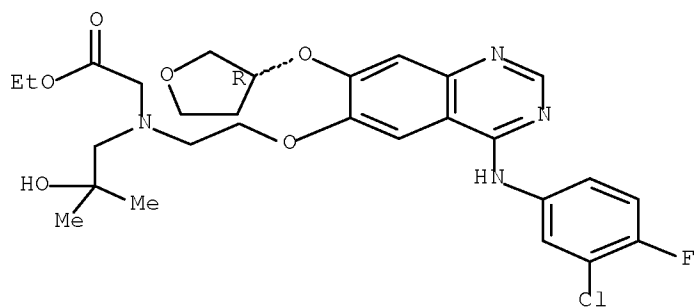
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminoquinazolines as epidermal growth factor receptor signal transduction inhibitors)

RN 402735-43-7 CAPLUS

CN Glycine, N-[2-[[4-[(3-chloro-4-fluorophenyl)amino]-7-[[[(3R)-tetrahydro-3-furanyl]oxy]-6-quinazolinyl]oxy]ethyl]-N-(2-hydroxy-2-methylpropyl)-, ethyl ester (CA INDEX NAME)

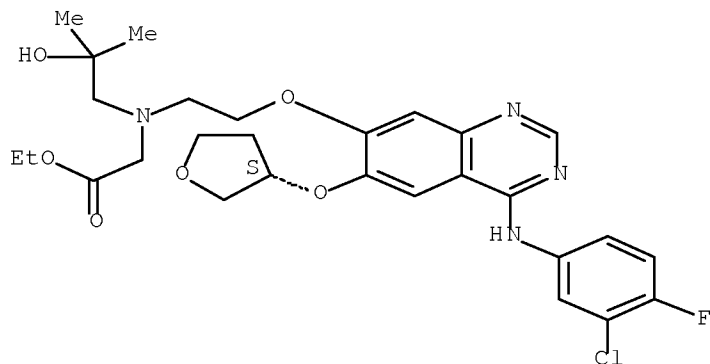
Absolute stereochemistry.



RN 402735-45-9 CAPLUS

CN Glycine, N-[2-[[4-[(3-chloro-4-fluorophenyl)amino]-6-[[(3S)-tetrahydro-3-furanyl]oxy]-7-quinazolinyl]oxy]ethyl]-N-(2-hydroxy-2-methylpropyl)-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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